

*presenting*  
*a home VIDEOCORDER®*  
*from SONY®*

SONY'S NEW WORLD OF HOME ENTERTAINMENT





*Important programs may be seen time and time again.*

## **SONY's Home Videocorder**

### **What is a Videocorder?**

A "video tape recorder" is an instrument which records both picture and sound on tape, much in the same manner as an ordinary tape recorder records sound only. Professional video tape recorders have been in use for several years in many fields, notably television, where programs are recorded on tape for later broadcasting.

Today, SONY takes a giant stride forward with a low priced home video tape recorder, called the SONY Videocorder. Its operation is similar to that of an ordinary tape recorder. With the flip of a switch, the owner may either transcribe a

television program on tape for later viewing or playback a recorded tape. By the use of the Videocorder, important programs can be recorded on tape in the owner's absence. Also, if two important programs are broadcast simultaneously, one may be taped on the Videocorder while the other is viewed on a second TV receiver. In fact, a *home tape library* may be built of news, sports or dramatic television programs.

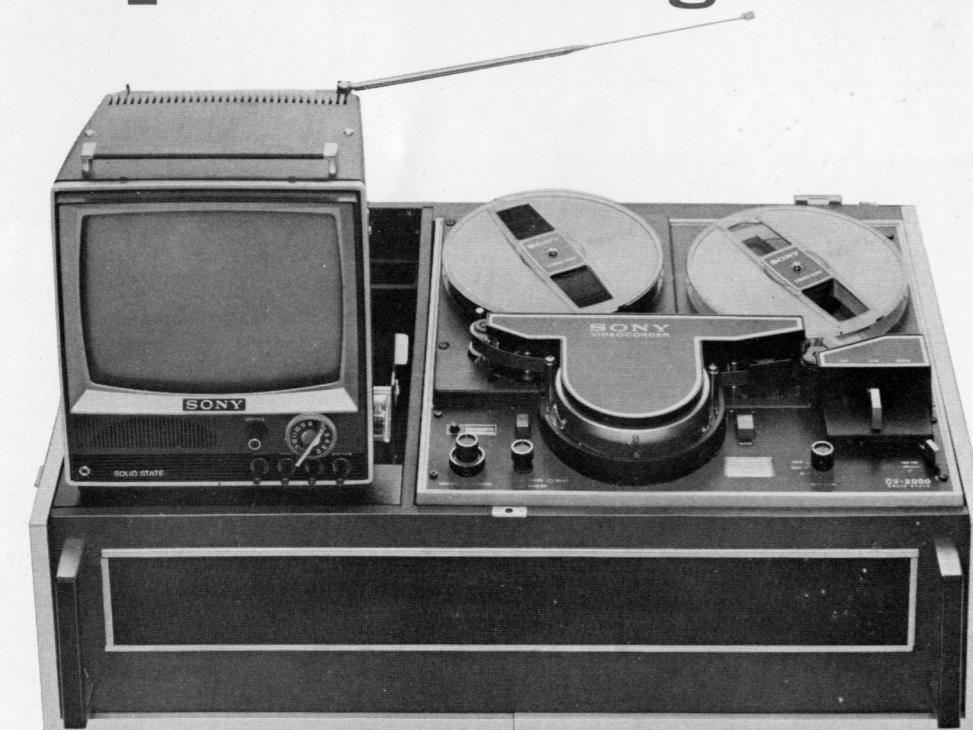
With the use of SONY'S Video Camera Kit, a new era of enriched home entertainment has truly begun. Using the simple-to-operate SONY Video Camera and Microphone, anyone may easily record family events, or even their own sports activities for study and improvement. It is easy to see the tremendous advantages of video tape recording. Any recording may be viewed immediately with no tiresome waiting for developing or processing. These home video recordings may be included in the home tape library.



*Family events may be recorded on tape.*

SONY's home use Videocorder, the newest major breakthrough in magnetic recording techniques, compact in size and low in cost, makes it possible for many people to enjoy the excitement of video recording in their own home!

# Video Tape Recording—SONY's New World of Home Entertainment



TCV-2010



TCV-2020

***It is easy to see that SONY'S home Videocorder and Video Camera Kit, when used together, truly open the door to an exciting new world and era of home entertainment!***

Illustrated is the world's newest home entertainment equipment, SONY'S home Videocorder. The unit is designed to record telecasts in black and white with sound for showing whenever desired.

## FEATURES: Videocorder TCV-2010

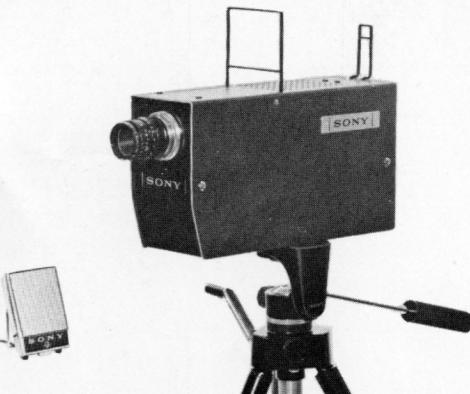
- Simple operation, similar to ordinary tape recorders.
- **SLOW SPEED RECORDING—SONY'S SPECIAL FEATURE.**
  - Tape speed is only  $7\frac{1}{2}$  inches per second.
  - Tape is only  $\frac{1}{2}$ " wide.
  - Uses only 7" reels for one full hour of continuous recording.
  - Tape consumption is low.
  - Tape breakage is minimal.
  - Mechanical durability is assured.
- Solid state circuitry further assures durability.
- A home tape library of outstanding television programs can be created.
- Tapes can be spliced and edited.
- Tapes can be erased for new recordings.
- Videocorder screen can be used as a normal TV receiver.
- Operates on regular household AC current.
- Has carrying handles for easy portability.

## FEATURES: Videocorder TCV-2020

The Videocorder model TCV-2020 has all the features of the TCV-2010 except for the carrying handles. In addition:

- Housed in a beautiful walnut cabinet.
- Has timing device which may be preset to record programs while the owner is away from home.

Videocorder Model TCV-2010 and video camera kit Model VCK-2000 pack into cases for easy portability.



For more versatile usage of the Videocorder, SONY has developed the VCK-2000 Video Camera Kit. Using this Kit, recordings of any event can be taped with sound for immediate replay on the Videocorder screen. Therefore, a home tape library of important events can be built: Athletes, actors, singers or musicians can record their own performances and study them for improvement. Parades, celebrations and other public events can be recorded on tape for showing at any time in the home. Any family activity such as parties, anniversaries, or weddings can be permanently recorded and stored in the home tape library. Recorded tapes can be played back immediately with no tiresome waiting for developing or processing.

## FEATURES: Video Camera Kit VCK-2000

- Comes complete—camera with standard lens, camera cable, AC cord, tripod, microphone are all in one portable case.
- Operation of the camera is simple.
- Camera is compact in size.
- Telephoto and wide angle lenses can be used.
- Camera has view-finder; Videocorder screen can also be used as a monitor when recording.
- Camera is solid state—maintenance free.
- Operates on regular household AC current.

## Video Camera Kit VCK-2000

Video Camera:	CVC-2000
Tripod:	VCT-10
Camera Cord:	CCF-5, 16.5 ft.
Microphone:	F-87LM (cardioid), uni-directional 10 feet
AC Extension Cord:	EC-5M, 16.5 feet
Microphone Extension Cord:	24-3/8" W x 11-3/8" D x 4-7/8" H
Case Size:	20 lbs.
Weight:	



## SPECIFICATIONS

<b>Dimensions:</b>	27-1/2" x 16-1/4" x 11"	<b>Thermistors:</b>	4
<b>Weight:</b>	66 lbs.	<b>Selenium Rectifier:</b>	1
<b>System:</b>	Receive, record and play-back both video and audio signals of U.S. TV Standards in black and white.	<b>Camera Input:</b>	For SONY CVC-2000
<b>Recording Time:</b>	Continuously 60 minutes	<b>Microphone Input:</b>	600 Ohms -60 db. unbalanced
<b>Power Source:</b>	AC 117V, 60 c/s	<b>Audio Aux. Input:</b>	High Impedance -20 db. balanced
<b>Power Consumption:</b>	103 W	<b>Audio Line Output:</b>	High Impedance 0 db. unbalanced
<b>Tape:</b>	Sony V Series, Width 1/2"		
<b>Reel:</b>	Max. Diameter 7"		
<b>Video Head:</b>	Rotary 2 head		
<b>Audio/Control Head:</b>	Stationary, PP-30-2102C		
<b>Erase Head:</b>	Full Truck, EF 51-21		
<b>Picture Tube:</b>	9", 90 degree deflection, aluminized screen		
<b>Channel Coverage:</b>	VHF, Channels 2-13		
	UHF, Channels 14-83		
<b>Antenna System:</b>	Built-in Telescopic Antenna		
	Jack for 75 ohm External Antenna		
<b>Speaker:</b>	2-5/8" x 4", Impedance 40 ohms		
<b>Audio Output:</b>	300 mW (undistorted)		
<b>Transistors:</b>	76 (Including Mesa and SEP transistors)		
<b>Diodes:</b>	38 (Including Esaki Diode)		
		<b>Standard Accessories:</b>	Tape V-30 Reel RH-7V (Diameter 7") Earphone External Antenna Connector EAC-6 Head Cleaner Set
		<b>All specifications for the TCV-2020 are the same as Model TCV-2010 except the following:</b>	
		<b>Cabinet:</b>	Walnut
		<b>Clock Timer:</b>	Built-in to record programs in the owner's absence.
		<b>Dimensions:</b>	28-3/8" x 16-3/4" x 11-1/4"
		<b>Weight:</b>	70 lbs.
		<b>Optional Accessory:</b>	Base



Comes in unique plastic case for convenient storage.



Type	Reel Size	Length	Playing Time
V-32	7"	2370 Ft.	one hour
V-31	7"	1240 Ft.	1/2 hour

#### REELS FOR SONY VIDEO TAPE

Type	Reel Size
RH-7V	7"



Quality dynamic microphone of cardioid directional pattern.

Directivity:	Uni-directional (cardioid)
Frequency Response:	100-12,000 cps
Output Impedance:	Low Impedance (600 ohms)
Output Level:	-57 db

### MODEL CVC-2000

Size:	3-1/8" (W) x 5-1/2" (H) x 9-7/8" (L)
Weight:	5.9 lbs.
Standard Lens:	F1.9 25mm, C mount
Vidicon Tube:	SONY M3016
Minimum Luminance:	100 lux (F1.9 lens)
AGC Range:	100 lux to Infinite (F1.9 lens)
Power Source:	AC 117V-60 c/s
Power Consumption:	10 W
Transistors:	26
Diodes:	25



### Background and Development of the Videocorder

In 1961, following years of extensive research and development, SONY announced the world's first transistorized video tape recorder and two years later SONY'S video tape recorder model PV-100 appeared. Demands were immediate—hospitals, universities, research laboratories, space installations and major airlines are only a few satisfied customers. SONY is proud of its strong background in the manufacture of Videocorder components.

**Consider the transistor itself.** SONY has a transistor factory, producing the highest quality transistors in the world. These unique SONY transistors, used in the Videocorder, insure constant SONY quality control.

**Consider tape.** Tape of the highest quality is essential for SONY'S unique slow speed recording system. SONY manufactures its own tape for video recordings; tape with long life, great sound and picture clarity and constant SONY quality control.

**Consider sound tape recorders.** SONY is one of the world's largest manufacturers of high quality hi-fidelity sound tape recorders. This background and reputation assures SONY quality in the Videocorder. With this heavy backlog of experience, the world's newest home entertainment development is beyond equal in its field.

**SONY CORPORATION OF AMERICA • 580 Fifth Ave., New York, N. Y. 10036**

Regional Offices

Western: 500 West Florence Avenue, Inglewood, Calif.  
Central: 5551 N. Milton Parkway, Rosemont, Illinois 60018